

Current Industrial Reports  
U.S. Department of Commerce  
Economics and Statistics Administration  
Bureau of the Census

Computer and Office and Accounting Machines - 1997

MA35R(97)-1  
Issued August 28, 1997

Information on the scope of the survey methodology, explanation of terms, and historical notes for this survey may be found in the introduction of the 1996 Manufacturing Profiles, issued July 1998.

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Address inquiries concerning these data to the U.S. Department of Commerce, Bureau of the Census, Manufacturing and Construction Division, Washington, DC 20233, or call Keith McKenzie, 301-457-4777.

Changes -- Beginning with the 1997 Current Industrial Report, the data has been restructured to better reflect the industry. For the first time, data for personal computers and workstations have been broken out. In addition, portable computers have been broken out with some items being published. Previous years' data are not comparable to 1997.

Summary of Findings - In 1997, manufacturers' shipments of computers were valued at \$49.6 billion, a decrease from the 1996 total of \$50.7 billion. Shipments of computers increased from 19.9 million in 1996 to 20.1 million in 1997. Personal computers were valued at \$21.9 billion in 1997. Workstations were valued at \$5.1 billion in 1997. Notebooks were valued at \$4.8 billion in 1997. Loaded computer processor boards and board subassemblies were valued at \$25.3 billion in 1997 compared to \$24.9 billion in 1996. Computer storage devices and equipment were valued at \$8.6 billion in 1997, a decrease of 3.3 percent from the 1996 total of \$8.9 billion. Magnetic and optical recording media were valued at \$5.2 billion in 1997 compared to \$5.7 billion in 1996.

Table 1. Value of Shipments of Computers and Office and Accounting Machines

by Product Class: 1990 to 1997

[Millions of dollars]

Product code	Product description	1997	1996	1995	1994	1993	1992	1991	1990
35710 00	Electronic computer manufacturing 1/.....	49,605.5	50,681.5	49,038.1	38,260.7	29,659.1	28,571.2	26,274.1	25,630.1
35711 00	Host computers (multi-users).....	15,328.2	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
35712 00	Single user computers:.....	33,307.9	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
35719 00	Other computers, including array, analog, hybrid, or special computers not listed above.....	969.5	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
36798 00	Loaded computer processor boards and board subassemblies 2/.....	25,283.4	24,937.3	24,447.7	17,514.8	15,087.1	13,745.8	12,590.4	2,247.2
35721 00	Computer storage devices and equipment	8,617.2	8,909.2	7,903.0	5,555.6	5,730.7	6,282.4	5,609.7	7,488.2
35722 00	Parts for computer storage devices and subassemblies.....	2,142.5	1,719.9	2,235.6	1,951.9	1,496.4	1,357.1	780.4	955.2
35751 00	Computer terminals.....	791.7	1,103.9	1,086.0	1,243.5	1,531.3	1,707.9	1,729.5	2,066.7
35752 41	Parts for computer terminals.....	(D)	r/ 199.2	(D)	(D)	275.9	192.1	417.0	362.9
35771 00	Computer peripheral equipment, n.e.c.....	13,686.2	r/ 11,462.8	12,331.0	11,943.6	9,810.2	8,505.6	7,763.6	7,696.6
35772 00	Parts for input/output equipment.....	2,487.5	5,504.8	2,391.0	2,498.7	2,554.3	3,053.2	4,186.9	3,705.5
35784 00	Calculating and accounting machines 3/.....	1,621.4	1,485.0	1,278.9	1,261.5	1,454.2	967.5	973.5	(D)
35789 00	Parts for calculating, coin, or currency handling, and accounting machines 4/.....	127.5	r/ 82.9	106.1	86.7	77.7	73.4	97.4	133.3
35792 00	Automatic typing and word processing machines.....	(D)	(D)	(D)	(D)	342.9	465.2	417.1	342.5
35793 00	Duplicating machines.....	(D)	59.9	(D)	68.4	(D)	(D)	(D)	(D)
35795 00	Mailing, letter-handling, and addressing machines.....	1,397.9	1,230.6	1,280.1	967.5	1,267.8	1,152.4	1,124.8	976.9
35799 00	Check handling, electric stapling and dictating machines, typewriters, and all other office machines, n.e.c.....	603.0	579.7	577.7	664	(D)	(D)	517.6	545.9
3579A 00	Parts for office machines, n.e.c.....	441.8	r/ 454.4	440.3	359.6	344.7	263.3	199.2	451.6
36950 00	Magnetic and optical recording media.....	5,242.8	r/ 5,739.1	5,106.2	4,777.1	4,483.3	4,336.8	3,894.4	3,695.4

D Withheld to avoid disclosure for individual companies. NA Not available. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data.

1/In 1997, the computer industry data were revised. Previous years are not comparable.

2/These data are collected on two Current Industrial Report forms, MA35R, "Computers and Office and Accounting Machines (Shipments) and MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components."

3/Product classes 35781 and 35782 have been combined to product class 35784 for 1991.

4/Product class 35783 has been changed to 35789 for 1991.

Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997		1996	
			Quantity	Value	Quantity	Value
3571 --	Electronic computer manufacturing /1.....	172	20,124,027	49,605,501	19,938,816	50,681,536
<b>Host computers (multi-users):</b>						
35711 10	Large scale systems, including mainframes and super computers.....	16	376,693	6,065,320	(NA)	(NA)
35711 20	Medium-scale systems and unix servers.....	29	2,414,401	8,327,930	(NA)	(NA)
35711 30	PC servers.....	16	160,954	644,394	(NA)	(NA)
35711 90	Other host computers.....	6	33,038	290,520	(NA)	(NA)
<b>Single user computers:</b>						
35712 10	Personal computers.....	44	13,473,265	21,931,109	(NA)	(NA)
35712 20	Workstations.....	23	475,951	5,137,371	(NA)	(NA)
35712 30	Laptops (AC/DC) .....	10	502,939	1,256,536	(NA)	(NA)
35712 40	Notebooks, subnotebooks (battery operated).....	12	1,899,263	4,755,233	(NA)	(NA)
35712 50	Personal digital assistants /2.....	1	(D)	(D)	(NA)	(NA)
35712 60	Other portable computers /2.....	4	127,597	122,756	(NA)	(NA)
35712 90	Other single user computers .....	4	175,239	104,858	(NA)	(NA)
35719 00	Other computers, including array, analog, hybrid or special purpose computers not included above .....	45	484,687	969,474	(NA)	(NA)
36798--	Printed circuit assemblies (loaded boards, subassemblies, and modules) /3.....	694	(X)	25,283,420	(X)	24,937,307
<b>Loaded computer processor boards and board subassemblies:</b>						
36798 51	Computer and peripheral printed board assemblies.....	278	(X)	11,335,201	(X)	12,310,246
36798 53	Communications printed board assemblies.....	233	(X)	4,377,701	(X)	r/ 3,732,540
36798 55	Industrial process control board assemblies.....	178	(X)	570,351	(X)	r/ 439,994
36798 57	Instrumentation printed board assemblies (except industrial).....	176	(X)	3,402,880	(X)	3,269,342
36798 59	Search and detection printed board assemblies.....	40	(X)	49,418	(X)	r/ 44,412
36798 61	Consumer electronics printed board assemblies.....	115	(X)	513,743	(X)	521,026
36798 90	Other electronics, printed board assemblies including office equipment and point of sales.....	273	(X)	5,034,126	(X)	4,619,747
35721--	Computer storage devices and equipment: Rigid magnetic disk drives: Less than 2 1/2 inches /4.....	86	(X)	8,617,175	(X)	r/ 8,909,234
35721 35	Less than 2 1/2 inches /4.....	1	(D)	(D)	(D)	(D)

Continued

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Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997		1996	
			Quantity	Value	Quantity	Value
35721 37	2 1/2 inches up to, but not including, 3 1/2 inches /4.....	4	(D)	(D)	(D)	(D)
35721 39	3 1/2 inches up to, but not including, 5 1/4 inches.....	21	1,272,936	1,530,804	2,564,485	2,167,206
35721 41	5 1/4 inches and greater /4.....	8	101,395	362,803	207,027	401,746
35721 45	Disk subsystems and disk arrays for multiuser computer systems.....	24	323,002	1,175,704	119,924	1,267,634
35721 47	Flexible magnetic disk drives.....	8	(D)	(D)	(D)	(D)
	Optical disk drives, including CD-ROM and magneto-optical equipment:					
	CD-ROM:					
35721 51	"Juke-box" capable of handling multiple disks 5/.....	8	(D)	(D)	1,177,962	144,580
35721 53	Single-disks equipment 5/.....	8	1,883,565	810,812	164,663	595,609
35721 55	WORM (write once, read many times) 6/....	4	(D)	(D)	12,959	48,237
35721 57	Rewritable 6/.....	7	864,987	331,919	r/	585,653
35721 59	Optical subsystems for multiusers computer systems.....	8	15,755	220,431	b/	24,341
	Auxiliary storage, not disk or tape-based for multiuser computer systems:					
35721 61	Encased or enclosed in a housing, enclosure,or cabinet 7/.....	10	(D)	(D)	(D)	(D)
35721 63	Other 7/.....	6	575,082	347,576	407,610	414,135
35721 65	Other direct access storage equipment.....	12	274,432	177,973	288,784	268,187
	Serial access storage equipment (e.g. tape drives):					
35721 71	1/2 inch tape drives.....	10	461,481	1,515,458	316,391	1,234,766
35721 73	1/4 inch tape drives.....	13	1,555,833	269,198	2,378,892	393,088
35721 75	Helical scan tape drives.....	12	232,894	396,441	(D)	(D)
35721 77	Cassette tape drives.....	7	26,689	154,235	(D)	(D)
35721 79	Other serial access storage equipment.....	7	(D)	(D)	1,193,439	459,710
35722 11	Computer storage parts and subassemblies.....	16	(X)	2,142,516	(X)	1,719,880
35751--	Computer terminals.....	51	(X)	791,737	(X)	1,103,897
35751 80	Remote batch terminals.....	6	a/	16,163	b/	24,319
35751 61	Teleprinters.....	7	34,620	a/	60,565	r/
	Display terminals, including graphics type whether or not incorporating a printing mechanism:				19,032	b/
35751 63	X-terminals.....	10	278,160	262,409	r/	178,308
	Other than X-terminals:				r/	202,322
35751 65	13-inch or less display.....	9	55,804	79,896	57,075	a/
35751 67	More than 13-inch but less than					38,808

Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997			1996		
			Quantity	Value	Quantity	Value		
35751 69	19-inch display.....	17	a/	649,637	a/	335,408	1,761,025	751,713
	19-inch or more display.....	6	b/	8,460	b/	29,140	22,941	39,482
35752 41	Computer terminal parts and subassemblies.....	9		(X)		(D)	(X)	r/ 199,169
35771--	Computer peripheral equipment, n.e.c.....	253		(X)	13,686,202		(X)	r/ 11,462,756
	Keying equipment:							
35771 33	Keyboards.....	23	a/	20,350,506	a/	612,843	20,810,401	560,224
35771 35	Other keying equipment.....	4			(D)	(D)	(D)	(D)
35771 02	Mouse devices.....	11			(D)	(D)	(D)	(D)
35771 04	Digitizers and light pen tablets.....	10		551,647		123,967	r/ 176,279	51,534
35771 06	Other manual input devices (joysticks trackballs, touchscreens, etc.).....	10	a/	500,581	a/	40,396	a/ 561,783	33,475
35771 08	Computer output to microfilm (COM) equipment .....	5		(D)		(D)	(D)	(D)
35771 12	Media copying and/or conversion equipment.....	9	a/	14,522		59,390	(D)	(D)
	Optical scanning devices:							
35771 14	Bar code devices.....	29		2,510,684	a/	909,933	2,090,463	850,428
35771 16	OCR equipment.....	11		215,135	a/	259,624	b/ 635,428	a/ 237,433
	Other than bar code or OCR devices:							
35771 18	Flat bed scanners.....	6	b/	43,563	a/	55,777	(D)	(D)
35771 22	Hand-held scanners.....	4		46,476		52,968	(D)	(D)
35771 24	Other.....	17		382,861		169,326	349,142	r/ 112,030
35771 26	Voice recognition equipment.....	7		(D)		(D)	(D)	(D)
35771 28	Magnetic strip and ink recognition equipment.....	12		(D)		(D)	311,513	205,810
35771 29	Other document entry equipment.....	3		(D)		(D)	(D)	(D)
	Computer printers:							
	Impact printers:							
35771 74	Line type (typically with a Centronics interface with output measured in line per minute).....	12		255,630		303,154	329,468	386,361
35771 72	Serial type (typically with a serial and/or parallel interface with output measured in characters per second).....	24	a/	512,806	b/	203,741	569,705	254,343
	Nonimpact printers:							
35771 40	Laser.....	30		2,427,245		2,547,672	r/ 1,941,839	r/ 1,946,660
35771 42	Inkjet.....	13		7,486,107		1,511,483	15,523,120	r/ 1,320,686
35771 45	Other (thermal, ion deposition, etc).....	23		1,278,689		480,769	a/ 596,686	r/ 638,451
35771 47	Peripheral sharing devices.....	10	a/	190,759	b/	68,934	a/ 181,453	a/ 59,407
35771 49	Font cartridges.....	3		(D)		(D)	(D)	(D)
35771 50	Plotters, including electrostatic.....	13		37,740	b/	217,440	47,443	a/ 235,734
	Monitors, excluding terminals:							
35771 55	Flat panel displays.....	5		(D)		(D)	(D)	(D)

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Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997		1996	
			Quantity	Value	Quantity	Value
	Other than flat panel displays:					
35771 56	Less than 19-inch display.....	22	(D)	(D)	(D)	(D)
35771 58	19-inch or more display.....	11	232,940	181,241	228,693	224,383
35771 62	Monitor screen projection devices (e.g. LCD panels).....	7	(D)	(D)	(D)	(D)
35771 63	All other input/output devices.....	58	(X) a/	1,288,509	(X) r/	898,458
35771 68	Accessories for computer peripherals (e.g. device supports, ergonomic aids, etc).....	40	(X)	2,378,630	(X) r/	1,227,314
35772--	Parts and subassemblies for computer peripherals and input/output equipment.....	66	(X)	2,487,482	(X)	5,504,761
35784--	Calculating and accounting machines.....	41	(X)	1,621,390	(X)	1,484,978
35784 54	Funds transfer devices /8.....	6	(D)	(D)	(D)	(D)
35784 55	Point-of-sale terminals /8 .....	22	368,408	1,301,154	334,251	1,182,666
35784 16	Machines for sorting, wrapping, counting, changing or dispensing coins and/or currency.....	11	489,354 b/	237,068	436,808 b/	218,686
	Other coin or currency handling machines, including cash registers, calculators, accounting, bookkeeping, and billing machines, and credit card imprinters.....	14	(X) b/	83,168	(X) b/	83,626
35789--	Parts for calculating, coin or currency handling and accounting machines.....	14	(X)	127,535	(X) r/	82,949
35792--	Automatic typing and word processing machines (all types).....	3	(D)	(D)	(D)	(D)
35793--	Duplicating machines.....	5	(D)	(D)	11,371	59,881
35795--	Mailing, letter handling, and addressing machines.....	31	(X)	1,397,911	(X)	1,230,632
35795 34	Forms handling equipment, including bursters, decollators, and imprinters.....	9	396,022	46,220	401,692	47,136
35795 37	Mailing machines, including postage franking machines /9.....	7	(D)	(D)	(D)	(D)
35795 43	Letter and envelope handling machines	13	19,623	307,577	25,365	315,761
35795 48	Other mailing, letter handling and addressing machines /9.....	10	578,680	1,044,114	440,741	867,735
35799--	All other office machines, n.e.c.....	44	(X)	602,973	(X)	579,665
35799 31	Check handling machines.....	10 b/	26,208	54,833 a/	60,621 r/	55,775
35799 32	Electric stapling machines, office type.....	4	385,414	12,493	262,572	9,912
35799 33	Time recording and time stamp					

Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997		1996	
			Quantity	Value	Quantity	Value
35799 41	machines.....	10	a/	246,580	103,759	233,575
	Paper cutting machines and apparatus office type.....	4		589,902	20,605	795,582
35799 44	Paper shredders.....	3		(D)	(D)	(D)
35799 45	Perforating or stapling machines, nonelectric.....	5		(D)	(D)	(D)
35799 95	All other office machines, n.e.c., including pencil sharpeners, typewriters, dictating machines, binding machines, ticket counting, machines and voting machines.....	25		(X) 338,884	(X) r/	340,806
3579A--	Parts for office machines, n.e.c.....	34		(X) 441,777	(X) r/	454,352
36950--	Magnetic and optical recording media.....	57		(X) 5,242,777	(X) r/	5,739,079
	Rigid disks:					
36950 12	Less than 2 1/2 inches.....	1		(D)	(D)	(D)
36950 14	2 1/2 inches up to, but not including 3 1/2 inches.....	6		(D)	(D)	(D)
36950 16	3 1/2 inches up to, but not including 5 1/4 inches.....	11	27,234,720	1,151,126	18,005,756	1,072,171
36950 18	5 1/4 inches and greater.....	5	3,225	16,790	12,980,963	226,714
	Flexible disks:					
36950 22	3 1/2 inches up to, but not including 5 1/4/ inches.....	13	782,694	717,747	2,359,779	564,942
36950 24	5 1/4 inches and greater.....	9	b/ 128,467	b/ 17,893	1,536,169	117,079
36950 09	Optical disks.....	12	229,754	548,763	198,689	r/ 648,527
36950 26	Bulk magnetic tape.....	4	133,255	24,424	(D)	(D)
	Packaged magnetic tape:					
36950 11	In reels for computer use.....	5	(D)	(D)	(D)	(D)
36950 13	In cassette and cartridge for computer use.....	14	44,723	742,739	862,420	657,596
36950 28	In forms suitable for audio use.....	10	b/ 433,078	b/ 315,805	431,461	r/ 310,039
36950 21	In video cassette, 8-mm and 1/2 inch	15	755,300	868,228	697,108	r/ 910,457
36950 23	In video cassette, 3/4 (19-mm) and 2-inch (51-mm).....	4	9,909	83,588	38,046	r/ 99,089
36950 34	Other package magnetic tape.....	4	199,452	363,624	181,958	r/ 346,519
36950 39	Other magnetic recording media, including parts.....	16	(X) b/ 183,634	(X) r/	309,414	
	Nonmanufacturing revenue of manufacturing establishments:					
50650 00	Supplies and accessories for use with computers or business machines (resales).....	50	(X)	1,442,467	(X)	1,415,878
99980 49	Research and development, testing and evaluation of systems and components.....	18	(X)	96,493	(X)	47,949
73721 00	Software sold with computer systems shipped by manufacturers:					

Table 2. Quantity and Value of Shipments of Computers and Office and Accounting Machines: 1997 and 1996  
 [Quantity in number of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	1997		1996	
			Quantity	Value	Quantity	Value
73721 00	Operating system software.....	14	(X)	94,358	(X)	121,773
73722 00	Utilities and device managers.....	12	(X)	2,806	(X)	5,476
73723 00	Application software.....	36	(X)	425,435	(X)	437,019
73724 00	Other software.....	10	(X)	66,031	(X)	126,546
73730 00	Systems integration revenues, including configuration, installation and site preparation, and custom programming.....	26	(X)	408,653	(X)	299,960
73700 00	Other nonmanufacturing revenues associated with computer systems.....	72	(X)	1,517,293	(X)	1,547,807

D Withheld to avoid disclosing data for individual companies. NA Not available.  
 n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. X Not applicable.

- 1/ In 1997, the breakout of the computer industry was redefined. Previous data are incompatible.  
 2/ Receipts for personal digital assistants (PDAS) are combined with other portable computers to avoid disclosing data for individual companies.  
 3/ These data are collected on two Current Industrial Report forms: MA35R, "Computer and Office Accounting Machines," and MA36Q, "Semiconductors, Printed Circuit Boards, and Other Electronic Components."

- 4/ Receipts have been combined to avoid disclosing data for individual companies.  
 5/ Receipts have been combined to avoid disclosing data for individual companies.  
 6/ Receipts have been combined to avoid disclosing data for individual companies.  
 7/ Receipts have been combined to avoid disclosing data for individual companies.  
 8/ Receipts have been combined to avoid disclosing data for individual companies.  
 9/ Receipts have been combined to avoid disclosing data for individual companies.

Note: The percent of estimation of each item is indicated as follows: a/10 to 25 percent of this items has been estimated. b/Over 25 percent of this item has been estimated.

Table 3. Shipments, Exports, and Apparent Consumption of Computing and Accounting Machines: 1997  
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments (f.o.b. plant)		Exports of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
35711 10, 20, 30, 90	Computers, digital, analog, hybrid, and other.....	20,124.0	49,605.5	2,323.3	5,918.6	4,758.0	6,381.4
35712 10, 20, 30, 40, 50 60, 90, 35719 00							
35721 47	Flexible magnetic disk drives.....	(D)	(D)	560.6	110.8	37,803.8	1,004.3
35721 35, 37, 39, 41, 45	Rigid magnetic disk drives, including disk subsystems and disk arrays.....	1,697.3	3,069.3	2,622.3	1,843.6	66,953.2	14,707.4
35721 51, 53, 55, 57, 59, 61, 63 65, 71 73, 75 77, 79	Computer storage devices and equipment, n.e.c.....	7,234.7	4,788.2	1,597.0	1,506.6	40,603.8	4,028.2
35771 40	Laser computer printers.....	2,427.2	2,547.7	936.2	585.2	2,546.7	1,376.7
35771 74, 72, 42, 45	Computer printers, n.e.c.....	9,533.2	2,499.1	2,152.1	922.6	14,673.2	2,697.4
35771 33	Computer keyboards.....	20,350.5	612.8	1,739.8	122.2	43,090.3	540.2
35751 00	Computer terminals.....	(X)	791.7	64.9	115.0	1,328.6	998.3
35771 56, 58	Monitors, CRT-type.....	2,889.1	1,214.1	980.6	429.3	27,331.4	7,847.8
35771 55, 62	Monitors, n.e.c.....	877.2	630.2	348.0	234.5	1,570.0	1,014.9
35771 14 16, 18, 22 24, 28	Optical scanning devices and magnetic strip and ink recognition equipment.....	3,518.4	1,651.7	560.2	332.0	5,741.6	820.3

Table 3. Shipments, Exports, and Apparent Consumption of Computing and Accounting Machines: 1997  
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments (f.o.b. plant)		Exports of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
35771 35, 02, 04, 06, 08, 12, 26 29, 47, 49, 51 53, 63	Computer equipment, n.e.c.....	25,934.5	2,151.9	329.4	232.8	776.3	52.8
35771 68, 35772 -- 36798 --	Parts, subassemblies, and accessories for computers and computer peripheral equipment.....	(X) 36,533.1		18,204.7		23,704.8	
35793 00	Duplicating machines.....	(D)	(D)	35.6	26.3	29.1	64.9
35784 55	Point-of-sales terminals.....	(D)	(D)	58.5	87.5	1,418.6	246.4
35784 59, 54, 16	Coin or currency handling machines, n.e.c., including cash registers, accounting, bookkeeping, and billing.....	540.9	794.3	1156.5	74.8	101,447.0	842.5
35792 00	Automatic typing and processing machines (all types).....	(D)	(D)	109.8	40.0	38,679.7	69.4
35795 00	Mailing, letter handling, and addressing machines.....	(X) 1,398.0		93.7	102.5	219.2	180.5
35799 33	Time recording and time stamping machines.....	246.6	103.8	96.6	12.6	145.3	4.4
35789 --	Office machines, n.e.c.....	10,278.3	499.2	2,866.4	189.9	30,661.6	593.0
35789 00	Parts for calculating, coin, or currency handling, and accounting machines.....	(X) 127.5		-	379.8	-	254.8
3579A --	Parts for office machines, n.e.c.....	(X) 441.8		-	185.7	-	101.4

Table 3. Shipments, Exports, and Apparent Consumption of Computing and Accounting Machines: 1997  
 [Quantity in thousands of units. Value in millions of dollars]

Product code	Product description	Manufacturers' shipments (f.o.b. plant)		Exports of domestic merchandise 1/ 2/		Imports for consumption 1/ 3/	
		Quantity	Value	Quantity	Value	Quantity	Value
36950 12 14, 16, 18, 22, 24, 09	Rigid, flexible, and optical disks .....	28,446.8	2,624.7	399,016.3	1,906.1	1,138,918.6	317.2
36950 25 11, 13, 21, 23, 26, 34	Bulk and packaged magnetic tape.....	1,579.1	2,434.4	95,523.9	573.6	652,927.0	1,534.5
36950 39	Other magnetic recording media, including parts.....	(X)	183.6	133.2	378.6	980.7	672.3

- Represents zero. D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. X Not applicable.

1/For comparison of SIC-based product codes with Schedule B export numbers and HTSUSA import numbers, see Table 4.

2/Source: Bureau of the Census report, EM 545, U.S. Exports.

3/Source: Bureau of the Census report, IM 145, U.S. Imports for Consumption.

Table 4. Comparision of Standard Industrial Classification-Based Product Codes  
with Schedule B Export Numbers, and HTSUSA Import Numbers: 1997

Product code	Product description	Export number /1	Import number /2
35711 10	Computers, digital, analog, hybrid, and other.....	8471.10.0000	8471.10.0000
35711 20		8471.30.0000	8471.30.0000
35711 30		8471.41.0035	8471.41.0035
35711 90		8471.41.0065	8471.41.0065
35712 10		8471.41.0095	8471.41.0095
35712 20		8471.49.1035	8471.49.1035
35712 30		8471.49.1065	8471.49.1065
35712 40		8471.49.1095	8471.49.1095
35712 50		8471.50.0000	8471.50.0035
35712 60			8471.50.0065
35712 90			8471.50.0085
35719 00			
35721 47	Flexible magnetic disk drives.....	8471.49.5020 8471.70.4035 8471.70.5035	8471.49.5020 8471.70.4035 8471.70.5035
35721 35	Rigid magnetic disk drives, including disk subsystems	8471.49.5010	8471.49.5010
35721 37	and disk arrays.....	8471.49.5040	8471.49.5040
35721 39		8471.70.1000	8471.70.1000
35721 41		8471.70.3000	8471.70.3000
35721 43		8471.70.4065	8471.70.4065
35721 45		8471.70.5065	8471.70.5065
35721 51	Computer storage devices and equipment, n.e.c.....	8471.49.5060	8471.49.5060
35721 53		8471.49.5080	8471.49.5080
35721 55		8471.70.4095	8471.70.4095
35721 57		8471.70.5095	8471.70.5095
35721 59		8471.70.6000	8471.70.6000
35721 61		8471.70.9000	8471.70.9000
35721 63			
35721 65			
35721 71			
35721 73			
35721 75			
35721 77			
35721 79			
35771 40	Laser computer printers.....	8471.49.3100 8471.49.3200 8471.60.5100 8471.60.5200 8471.60.6100 8471.60.6200	8471.49.3100 8471.49.3200 8471.60.5100 8471.60.5200 8471.60.6100 8471.60.6200

Table 4. Comparision of Standard Industrial Classification-Based Product Codes  
with Schedule B Export Numbers, and HTSUSA Import Numbers: 1997

Product code	Product description	Export number /1	Import number /2
35771 74	Computer printers, n.e.c.....	8471.49.3300	8471.49.3300
35771 72		8471.49.3400	8471.49.3400
35771 42		8471.49.3500	8471.49.3500
35771 45		8471.49.3600	8471.49.3600
		8471.49.3730	8471.49.3730
		8471.49.3760	8471.49.3760
		8471.49.3790	8471.49.3790
		8471.60.5300	8471.60.5300
		8471.60.5400	8471.60.5400
		8471.60.5500	8471.60.5500
		8471.60.5600	8471.60.5600
		8471.60.5730	8471.60.5730
		8471.60.5760	8471.60.5760
		8471.60.5790	8471.60.5790
		8471.60.6300	8471.60.6300
		8471.60.6400	8471.60.6400
		8471.60.6500	8471.60.6500
		8471.60.6600	8471.60.6600
		8471.60.6730	8471.60.6730
		8471.60.6760	8471.60.6760
		8471.60.6790	8471.60.6790
35771 33	Computer keyboards.....	8471.49.2100	8471.49.2100
		8471.60.2000	8471.60.2000
35751 00	Computer terminals.....	8471.60.3000	8471.60.3000
		8471.49.2600	8471.49.2600
		8471.60.1035	8471.60.1035
35771 56	Monitors, CRT-type.....	8471.60.1065	8471.60.1065
35771 58		8471.60.3500	8471.60.3500
		8471.60.4540	8471.60.4540
		8471.49.2400	8471.49.2400
		8471.49.2900	8471.49.2900
35771 55	Monitors, n.e.c.....	8471.60.1095	8471.60.1095
35771 62		8471.60.4580	8471.60.4580
35771 14	Optical scanning devices and		
35771 16	magnetic strip and ink		
35771 18	recognition equipment.....	8471.49.4200	8471.49.4200
35771 22		8471.60.8000	8471.60.8000
35771 24			
35771 26			

Table 4. Comparision of Standard Industrial Classification-Based Product Codes  
with Schedule B Export Numbers, and HTSUSA Import Numbers: 1997

Product code	Product description	Export number /1	Import number /2
35771 35	Computer equipment, n.e.c.....	8471.49.1500	8471.49.1500
35771 02		8471.49.4850	8471.49.4850
35771 04		8471.49.4895	8471.49.4875
35771 06		8471.60.7040	8471.60.9030
35771 08		8471.60.9030	8471.60.9070
35771 12		8471.60.9070	
35771 26			
35771 29			
35771 47			
35771 49			
35771 50			
35771 63			
35771 68	Parts, subassemblies, and		
35772 00	accessories for computers	8473.30.0000	8473.30.1000
36798 00	and computer peripheral	8473.50.0000	8473.30.2000
	equipment.....		8473.30.3000
			8473.30.5000
			8473.30.6000
			8473.30.9000
			8473.50.3000
			8473.50.6000
			8473.50.9000
35793 00	Duplicating machines.....	8472.10.0000	8472.10.0000
35784 55	Point-of-sale terminals.....	8470.50.0020	8470.50.0020
			8470.10.0040
			8470.10.0060
35784 59	Coin or currency handling	8470.10.0000	8470.21.0000
35784 54	machines, n.e.c., including	8470.21.0000	8470.29.0000
35784 16	cash registers, accounting,	8470.29.0000	8470.30.0000
	bookkeeping, and billing	8470.30.0000	8470.40.0000
	machines, and credit card	8470.40.0000	8470.50.0060
	imprinters.....	8470.50.0060	8472.90.1000
			8472.90.9520
35792 00	Automatic typing and word		
	processing machines		
	(all types).....	8469.11.0000	8469.11.0000
		8469.12.0000	8469.12.0000
			8470.90.0010
35795 00	Mailing, letter handling,	8472.20.0000	8472.20.0000
	and addressing machines.....	8472.30.0000	8472.30.0000
35799 33	Time recording and time		
	stamping machines.....	9106.10.0000	9106.10.0000

Table 4. Comparision of Standard Industrial Classification-Based Product Codes  
with Schedule B Export Numbers, and HTSUSA Import Numbers: 1997

Product code	Product description	Export number /1	Import number /2
		8469.20.0020	8469.20.0020
35799 31	Office machines, nec.....	8469.20.0040	8469.20.0040
35799 32		8469.30.0020	8469.30.0020
35799 41		8469.30.0040	8469.30.0040
35799 44		8472.90.9000	8472.90.4000
35799 45			8472.90.6000
35799 95			8472.90.7000
			8472.90.9550
35789 00	Parts for calculating, coin, or currency handling, and accounting machines.....	8473.21.0000 8473.29.0000	8473.21.0000 8473.29.0000
3579A 00	Parts for office machines, n.e.c.....	8473.40.0000	8473.40.1000 8473.40.6000 8473.40.9500
36950 12	Rigid, flexible, and optical		
36950 14	disks.....	8523.20.0000	8523.20.0000
36950 16			
36950 18			
36950 22			
36950 24			
36950 09			
36950 25	Bulk and packaged magnetic	8523.11.0000	8523.11.0000
36950 11	tape.....	8523.12.0010	8523.12.0010
36950 13		8523.12.0020	8523.12.0020
36950 21		8523.12.0040	8523.12.0040
36950 23		8523.12.0060	8523.12.0060
36950 26		8523.13.0020	8523.13.0020
36950 34		8523.13.0040 8523.13.0060 8523.13.0080	8523.13.0040 8523.13.0060 8523.13.0080
36950 39	Other magnetic recording media, including parts.....	8522.10.0000 8522.90.0010 8522.90.0090 8523.90.0000	8522.10.0000 8522.90.7540 8522.90.7580 8523.90.0000

n.e.c. Not elsewhere classified.

1/Source: 1997 edition, Harmonized System-Based Schedule B,  
Statistical Classification of Domestic and Foreign Commodities  
Exported from the United States.

2/Source: Harmonized Tariff Schedule of the United States,  
Annotated (1997).